

OIPE

RAW SEQUENCE LISTING

DATE: 01/24/2002

PATENT APPLICATION: US/09/718,102

TIME: 19:08:19

Input Set : N:\Crf3\RULE60\09718102.raw Output Set: N:\CRF3\01242002\1718102.raw

SEQUENCE LISTING

```
ENTERED
        (1) GENERAL INFORMATION:
      5
             (i) APPLICANT: Roncarolo, Maria-Grazia
      6
                             de Waal Malefyt, Rene
      7
                             Bacchetta, Rosa
      8
                             Groux, Herve M.
      9
                             de Vries, Jan E.
            (ii) TITLE OF INVENTION: USE OF INTERLEUKIN-10 TO PRODUCE A
     11
                                      POPULATION OF SUPPRESSOR CELLS
     12
           (iii) NUMBER OF SEQUENCES: 26
     14
     16
            (iv) CORRESPONDENCE ADDRESS:
     17
                   (A) ADDRESSEE: DNAX Research Institute
                   (B) STREET: 901 California Avenue
     18
     19
                   (C) CITY: Palo Alto
                   (D) STATE: California
     20
     21
                   (E) COUNTRY: USA
     22
                   (F) ZIP: 94304-1104
             (V) COMPUTER READABLE FORM:
     24
     25
                   (A) MEDIUM TYPE: Floppy disk
     26
                   (B) COMPUTER: Apple Macintosh
     27
                   (C) OPERATING SYSTEM: Macintosh 7.5.5
     28
                   (D) SOFTWARE: Microsoft Word 5.1a
     30
            (vi) CURRENT APPLICATION DATA:
C--> 31
                   (A) APPLICATION NUMBER: US/09/718,102
C--> 32
                   (B) FILING DATE: 20-Nov-2000
     33
                   (C) CLASSIFICATION:
     35
           (vii) PRIOR APPLICATION DATA:
     36
                   (A) APPLICATION NUMBER: 08/643,810
     37
                   (B) FILING DATE:
     39
          (viii) ATTORNEY/AGENT INFORMATION:
     40
                  (A) NAME: Ching, Edwin P.
     41
                   (B) REGISTRATION NUMBER: 34,090
     42
                   (C) REFERENCE/DOCKET NUMBER: DX0261K1
     44
            (ix) TELECOMMUNICATION INFORMATION:
     4.5
                  (A) TELEPHONE: 415-852-9196
                  (B) TELEFAX: 415-496-1200
     46
     49
        (2) INFORMATION FOR SEQ ID NO: 1:
             (i) SEQUENCE CHARACTERISTICS:
     51
     52
                  (A) LENGTH: 178 amino acids
                  (B) TYPE: amino acid
     53
     54
                  (C) STRANDEDNESS: single
     55
                  (D) TOPOLOGY: linear
```

(ii) MOLECULE TYPE: peptide

57

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DATE: 01/24/2002

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Input Set : N:\Crf3\RULE60\09718102.raw
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62	(xi)	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:														
64		His									Va 1	Leu	Leu	Thr	Glv	Val
65	1		001	001	5	Deu	204	015	012	10					15	
67		Ala	Ser	Pro	-	Gln	Glv	Thr	Gln		Glu	Asn	Ser	Cvs		His
68				20	1		1		25			_		30		
70	Phe	Pro	Glv	Asn	Leu	Pro	Asn	Met	Leu	Arq	Asp	Leu	Arq	Asp	Ala	Phe
71			35				_	40		,	•		45	-		
73	Sei	Arg	Val	Lvs	Thr	Phe	Phe	Gln	Met	Lys	Asp	Gln	Leu	Asp	Asn	Leu
74		50		- 1			55			1	•	60		-		
76	Leu	Leu	Lys	Glu	Ser	Leu	Leu	Glu	Asp	Phe	Lys	Gly	Tyr	Leu	Gly	Cys
77	65		-			70			_		75	_	_			80
79	Glr	Ala	Leu	Ser	Glu	Met	Ile	Gln	Phe	Tyr	Leu	Glu	Glu	Val	Met	Pro
80					85					90					95	
82	Glr	Ala	Glu	Asn	Gln	Asp	Pro	Asp	Ile	Lys	Ala	His	Val	Asn	Ser	Leu
83				100					105					110		
85	Gly	Glu	Asn	Leu	Lys	Thr	Leu	Arg	Leu	Arg	Leu	Arg	Arg	Cys	His	Arg
86			115					120					125			
88	Ph€	Leu	Pro	Cys	Glu	Asn	Lys	Ser	Lys	Ala	Val	Glu	Gln	Val	Lys	Asn
89		130					135					140				
91	Ala	Phe	Asn	Lys	Leu	Gln	Glu	Lys	Gly	Ile		Lys	Ala	Met	Ser	
92	145					150					155					160
94	Ph€	Asp	Ile	Phe		Asn	Tyr	Ile	Glu		Tyr	Met	Thr	Met		Ile
95					165					170					175	
97	-	Asn														
100	· /	ORMA														
102	· /) SE	QUENC	CE CH	IARAC	TERI	STIC	CS:	l c							
102 103	· /) SE	QUENC A) Li	CE CH ENGTH	IARAC I: 17	TERI 0 am	STIC	CS:	ls							
102 103 104	· /) SE (-	QUENC A) LI B) TY	CE CH ENGTH TPE:	IARAC I: 17 amin	TERI 0 an 0 ac	STIC nino cid	CS: acid	ls							
102 103 104 105	· /) SE (- (-	QUENCA) LEB) TY	CE CH ENGTH PE: TRANE	IARACI: 17 amin DEDNE	TERI 0 am o ac	STIC nino eid sing	CS: acid	ls							
102 103 104 105 106	(i) SE (, (,	QUENCA) LEB) TYCC) STOD) TC	CE CH ENGTH PE: TRAND POLC	IARACI: 17 amin DEDNE	TERI 0 am o ac SS: line	STIC nino eid sing	CS: acid	ls							
102 103 104 105 106 108	(ii) SE (- (- (- (-) MO	QUENCA) LECUI	CE CHENGTHE PRESENCE OF CLE	IARACI: 17 amin DEDNE DGY:	TERI 0 am 0 ac SS: line pept	STIC nino lid sing ar lide	es: acio): 2:						
102 103 104 105 106 108 113	(ii) (xi)) SE (, (, (,) MO) SE	QUENCA) LH B) TY C) ST D) TC LECUI	CE CHENGTHE PRANCE TYPE: CRANCE TYPE CE DE	IARACI: 17 amin DEDNE DGY: TPE: CSCRI	TERIO amos acceptance and acceptance	STIC nino sid sing ar ide N: S	es: acid gle	ED NO			s Leu	ı Val	. Lei	ı Lei	ı Tyr
102 103 104 105 106 108 113 115	(ii) (xi)) SE (, (, (,) MO) SE	QUENCA) LH B) TY C) ST D) TC LECUI	CE CHENGTHE PRANCE TYPE: CRANCE TYPE CE DE	IARACI: 17 amin DEDNE DGY: TPE: CSCRI	TERIO amos acceptance and acceptance	STIC nino sid sing ar ide N: S	es: acid gle	ED NO			s Leu	ı Val	. Let	ı Leı 15	ı Tyr
102 103 104 105 106 108 113	(ii (xi Me 1) SE (, (, (,) MO) SE t G1	QUENCA) LH B) TY C) ST D) TC LECUI QUENC L Arc	CE CHENGTH PE: TRAND POLC LE TY CE DE	IARACI: 17 amin DEDNE DGY: CSCRI Leu 5	TERI 0 am 0 ac SS: line pept PTIC Val	STIC sino sino sar side DN: S	CS: acid gle SEQ 1	ID N O	ı Glr 10	суя				15	ı Tyr o Gln
102 103 104 105 106 108 113 115 116	(ii (xi Me 1) SE (, (, (,) MO) SE t G1	QUENCA) LH B) TY C) ST D) TC LECUI QUENC L Arc	CE CHENGTH PE: TRAND POLC LE TY CE DE	IARACI: 17 amin DEDNE DGY: CSCRI Leu 5	TERI 0 am 0 ac SS: line pept PTIC Val	STIC sino sino ear side DN: S	CS: acid gle SEQ 1	ID N O	ı Glr 10	суя				15	
102 103 104 105 106 108 113 115 116	(ii (xi Me 1 Le) SE	QUENCA) LH B) TY C) ST D) TC LECUI QUENC LA Arc	CE CHENGTH VPE: TRANE DPOLO LE TY CE DE J Arg	IARACI: 17 amin DEDNE DGY: CPE: CSCRI Leu 5 Cys	TERI 0 an 0 ac SS: line pept PTIC Val	STIC nino cid sing ear cide ON: S Val	CS: acid gle SEQ I Thi	ID NO Leu Asp 25	Glr 10 Glr	Cys	s Asp) Asr	Phe	15 Pro	Gln
102 103 104 105 106 108 113 115 116 118	(ii (xi Me 1 Le) SE	QUENCA) LH B) TY C) ST D) TC LECUI QUENC LA Arc	CE CHENGTH VPE: TRANE DPOLO LE TY CE DE J Arg	IARACI: 17 amin DEDNE DGY: CPE: CSCRI Leu 5 Cys	TERI 0 an 0 ac SS: line pept PTIC Val	STIC nino cid sing ear cide ON: S Val	CS: acid gle SEQ I Thi	ID NO Leu Asp 25	Glr 10 Glr	Cys	s Asp) Asr	Phe	15 Pro	
102 103 104 105 106 108 113 115 116 118 119	(ii (xi Me 1 Le) SE ((((((((((((((((((QUENCA) LH B) TY C) ST D) TC LECUI QUENC LA Pro A Pro 35	CE CHENGTHE CPE: TRANEDPOLCE TY CE DE JARGE ARG	IARACI: 17 amin DEDNE DGY: CPE: CSCRI Leu 5 Cys	TERI 0 am 0 ac SS: line pept PTIC Val	STIC nino sid sing ar side ON: S Val	SEQ DEPARTMENT OF Ala	D NC Leu Asp 25 Phe	o Glr O Glr Ser	Cys Cys Arg	s Asp y Val	Asr Lys 45	Phe 30 Thi	15 Pro	Gln
102 103 104 105 106 108 113 115 116 118 119 121	(ii (xi Me 1 Le Me) SE ((((((((((((((((((QUENCA) LH B) TY C) ST D) TC LECUI QUENC LA Pr A Pr 35 r Lys	CE CHENGTE YPE: TRANE PPOLC LE TY CE DE J Arg D Glu 20 J Asp	IARACI: 17 amin DEDNE DGY: CPE: CSCRI Leu 5 Cys Leu Glu	TERIO amo access: line pept Val	STIC nino cid sing ear cide N: S Val	SEQ I Thi Thi Ala 40	ID NO Let 25 1 Phe 1 Let	Glr 10 Glr Ser Leu	Cys Arg Let	S Asp Val Lys 60	Asr Lys 45 Glu	Phe 30 Thi	15 Pro	o Gln e Phe
102 103 104 105 106 108 113 115 116 118 119 121 122 124 125 127	(ii (xi Me 1 Le Me) SE ((((((((((((((((((QUENCA) LH B) TY C) ST D) TC LECUI QUENC LA Pr A Pr 35 r Lys	CE CHENGTE YPE: TRANE PPOLC LE TY CE DE J Arg D Glu 20 J Asp	IARACI: 17 amin DEDNE DGY: CPE: CSCRI Leu 5 Cys Leu Glu	TERIO amo access: line pept Val	STIC nino cid sing ear cide N: S Val	SEQ I Thi Thi Ala 40	ID NO Let 25 1 Phe 1 Let	Glr 10 Glr Ser Leu	Cys Arg Let	S Asp Val Lys 60	Asr Lys 45 Glu	Phe 30 Thi	15 Pro	Gln e Phe
102 103 104 105 106 108 113 115 116 118 119 121 122 124 125 127 128	(ii (xi Me 1 Le Me Gl) SE (((((((((((((((((((QUENCA) LH B) TY C) ST D) TC LECUI QUENC U Arc 35 r Lys	CE CE ENGTH YPE: TRANE POLC LE TY CE DE J Arg O Glu 20 J Asp E Asp	IARACI: 17 amin DEDNE DGY: CPE: CSCRI Leu 5 Cys Cys Glu Glu	TERIO amo access: line pept Val Gly Val Tyr 70	STICATION OF THE PROPERTY OF T	SEQ D Thi Thi Ala 40 Asr	D NO Let Asp 25 Phe Let	Glr 10 Glr Ser Leu Glr	Cys Arc Arc Arc Arc Arc Arc 75	y Val y Val 1 Lys 60 1 Leu	Lys 45 Glu	Phe 30 Thi Sei Glu	15 Pro Phe Leu Met	o Gln e Phe l Leu l Ile 80
102 103 104 105 106 108 113 115 116 118 119 121 122 124 125 127 128 130	(ii (xi Me 1 Le Me Gl) SE (((((((((((((((((((QUENCA) LH B) TY C) ST D) TC LECUI QUENC U Arc 35 r Lys	CE CE ENGTH YPE: TRANE POLC LE TY CE DE J Arg O Glu 20 J Asp E Asp	IARACI: 17 amin DEDNE DGY: CPE: CSCRI Leu 5 Cys Cys Club Glu Glu Glu	TERIO amo access: line pept Val Gly Val Tyr 70	STICATION OF THE PROPERTY OF T	SEQ D Thi Thi Ala 40 Asr	D NO Let Asp 25 Phe Let	Glr 10 Clr	Cys Arc Arc Arc Arc Arc Arc 75	y Val y Val 1 Lys 60 1 Leu	Lys 45 Glu	Phe 30 Thi Sei Glu	15 Pro Phe Leu Met	o Gln e Phe Leu
102 103 104 105 106 108 113 115 116 118 119 121 122 124 125 127 128 130 131	(ii (xi Me 1 Le Me Gl Gl) SE (((((((((((((((((((QUENCA) LE B) TY C) ST D) TC LECUI QUENC LA Pr A Pr A S T Lys D Phe Ty:	CE CHENGTH YPE: TRANE POLC LE TY LE DE J Arg Asp Asp LE Lys	IARACI: 17 amin DEDNE DGY: CPE: CSCRI Leu 5 Cys Cys Club Glu Glu 6 Glu 85	TERIO AMONICO ACCESS: line pept PTIC Val Gly Arg Val Tyr 70 Glu	STICATION OF THE PROPERTY OF T	SEQ I Thi Thi Ala 40 Asr	D NC Let Asp 25 Phe Let Cys	Glr 10 Clr	Cys Arg Arg Arg Arg Ala 75 Ala	y Val Val Lys 60 Leu Glu	Lys 45 Glu Ser	Phe 30 Thi Ser Glu	15 Pro Phe Leu Met Asp 95	o Gln e Phe Leu Lle 80 Pro
102 103 104 105 106 108 113 115 116 118 119 121 122 124 125 127 128 130 131 133	(ii (xi Me 1 Le Me Gl Gl) SE (((((((((((((((((((QUENCA) LE B) TY C) ST D) TC LECUI QUENC LA Pr A Pr A S T Lys D Phe Ty:	CE CHENGTH YPE: TRANE POLICE TY CE DE J Arg Asp Asp E Lys Leu Asp	IARACI: 17 amin DEDNE DGY: CSCRI CSC	TERIO AMONICO ACCESS: line pept PTIC Val Gly Arg Val Tyr 70 Glu	STICATION OF THE PROPERTY OF T	SEQ I Thi Thi Ala 40 Asr	D NC Let Asp 25 Phe Let Cys	Glr 10 Clr	Cys Arg Arg Arg Arg Ala 75 Ala	y Val Val Lys 60 Leu Glu	Lys 45 Glu Ser	Phe 30 Thi Ser Glu Glr	15 Property Phenomena Phen	o Gln e Phe l Leu l Ile 80
102 103 104 105 106 108 113 115 116 118 119 121 122 124 125 127 128 130 131 133 134	(iii (xii Me 1 Le Me Gl Gl Gl) SE ((((((((((((((((((QUENCA) LH B) TY C) ST D) TC LECUI QUENC U Arc 35 r Lys p Phe Tyi	CE CHENGTH YPE: TRANE POLICE TY CE DE J Arg Asp Asp Leu Asp Leu Asp 100	IARACI: 17 amin DEDNE DGY: PE: CSCRI Leu Cys Club Glu Glu 85 His	TERIO amo access: line pept PTIC Val Arg Val Tyr 70 Glu Val	STICAL ST	SEQ In This Ala 40 Asr	D NC Leu Asp 25 Phe Leu Cys Pro	Glr 10 Glr Ser Leu Glr 90 Glr	Cys Cys Arg Leu Ala 75 Ala Glu	Value Asn	Lys 45 Glu Ser Asn	Phe 30 This Ser Glu Glr Lys	15 Pro Phe Phe Leu Met Asp 95 Thr	o Gln e Phe l Leu E Ile 80 o Pro
102 103 104 105 106 108 113 115 116 118 119 121 122 124 125 127 128 130 131 133 134 136	(iii (xii Me 1 Le Me Gl Gl Gl) SE ((((((((((((((((((QUENCA) LH B) TY C) ST D) TC LECUI QUENC LA Arc 35 r Lys p Phe Tyi Lys Lys	CE CHENGTE CPENGTE CPENGT CPENGTE CPENGTE CPENGTE CPENGTE CPENGTE CPENGTE CPENGTE CPEN	IARACI: 17 amin DEDNE DGY: PE: CSCRI Leu Cys Club Glu Glu 85 His	TERIO amo access: line pept PTIC Val Arg Val Tyr 70 Glu Val	STICAL ST	SEQ I Thir Thir Ala 40 Asr	D NO C Leu Asp 25 I Phe Leu Cys C Pro Leu 105 Arg	Glr 10 Glr Ser Leu Glr 90 Glr	Cys Cys Arg Leu Ala 75 Ala Glu	Value Asn	Asr Lys 45 Glu Ser Asr Leu	Phe 30 Thu Ser Glu Glr Lys 110 Glu Glu	15 Pro Phe Phe Leu Met Asp 95 Thr	o Gln e Phe Leu Lle 80 Pro
102 103 104 105 106 108 113 115 116 118 119 121 122 124 125 127 128 130 131 133 134	(iii (xi Me 1 Lee Me Gl Gl Gl Gl Ar) SE ((((((((((((((((((QUENCA) LH B) TY C) ST D) TC LECUI QUENC U Arc 35 r Lys p Phe Tyl Arc 1 Arc 115	CE CHENGTH YPE: TRANE PPOLC LE TY CE DE J Arg Asp E Lys Leu S Asp 100 J Leu J	IARACI: 17 amin DEDNE DGY: CPE: CSCRI Cys Cys Cleu Glu Glu Glu His	TERIO amo access: line pept Val Gly Arg Val Tyr 70 Glu Val Arg	STICAL ST	SEQ I Thir Thir Ala 40 Asr	ED NO E Leu 25 I Phe Leu 7 Cys 2 Pro 105 I Leu 105 I Arg	Glr Glr Glr Glr Glr Glr Glr Glr	n Cys n Cys Arc Arc Arc n Ala 75 n Ala 75 n Ala	S Asp Val Lys 60 Leu Glu Asn	Asr Lys 45 Glu Ser Asr Leu Cys 125	Phe 30 5 Thr Ser Glu Glr Lys 110 6 Glu	15 Proper Pherical Leuring Methodology 15 Methodology 15 Methodolo	o Gln e Phe l Leu E Ile 80 o Pro

RAW SEQUENCE LISTING DATE: 01/24/2002 PATENT APPLICATION: US/09/718,102 TIME: 19:08:19

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140			130					135					140				
142		Lvs		Ile	Tvr	Lvs	Ala		Ser	Glu	Phe	Asp		Phe	Ile	Asn	Tvr
143		145			-1-		150					155					160
145			Glu	Ala	Tvr	Met		Tle	Lvs	Ala	Ara						
146		110	Oru	1114	111	165			270		170						
148	121	INFO	РМΔТ	TON 1	FOR '		TD NO)· 3			1,0						
150	(2)			UENCI													
151		(+)) LEI						2							
152									acra.	,							
153			(B) TYPE: amino acid (C) STRANDEDNESS: single														
154			(C) STRANDEDNESS. SINGLE (D) TOPOLOGY: linear														
		/ii\	MOLECULE TYPE: peptide														
156		(xi)							דו הם) NIO	. 3.						
161		. ,										Cor	Cvc	Пhr	Uic	Dho	Dro
163			PIO	Gly	GIII	_	1111	GIII	ser	Glu	10	ser	Cys	1111	птъ	15	PIO
164		1	3	T	D	5	Wat	т ол	7	Nan		7 22	* an	1 15	Dho		7 ~~
166		GTA	ASII	Leu		ASII	мес	ьeu	Arg		Leu	AIG	ASP	Ата		ser	AIG
167		** 7	.	m l	20	D	a1	14 - ±	T	25	al	т	3	7	30	Т о	т
169		val	ьуs	Thr	Pne	Pne	GIn	мет	-	Asp	GIN	Leu	ASP		Leu	Leu	ьeu
170		_	~ 3	35	_	_	~ 1	_	40	-	a 1			45	a	a1	
172		Lys		Ser	Leu	Leu	Glu		Pne	Lys	GIY	Tyr		GIY	Cys	GIn	Ата
173		_	50	~ 1		- 1	- 1	55	_		a 1	a.1	60	30.1		01	. 1 -
175			Ser	Glu	Met	lie		Phe	Tyr	Leu	Glu		vaı	мет	Pro	GIn	
176		65			_	_	70		_			75	_	_	_	a 1	80
178		Glu	Asn	Gln	Asp		Asp	He	Lys	Ala		Val	Asn	Ser	Leu		Glu
179		_	_	_		85	_	_	_		90	_	~		•	95	-
181		Asn	Leu	Lys		Leu	Arg	Leu	Arg		Arg	Arg	Cys	HIS		Pne	Leu
182					100		_	_	- 3	105		- 1		_	110		-1
184		Pro	Cys	Glu	Asn	Lys	Ser	Lys		val	Glu	GIn	Val		Asn	Ата	Pne
185				115					120	_				125	~ 1	_ 1	_
187		Asn	_	Leu	GIn	Glu	Lys		He	Tyr	Lys	Ala		Ser	Glu	Pne	Asp
188		_	130	_				135		_		_,	140	_		_	_
190			Phe	Ile	Asn	Tyr		Glu	Ala	Tyr	Met		Met	Lys	TTE	Arg	
191		145					150					155					160
194	(2)	INFO															
196		(1)		JENCI													
197			,) LE					acids	3							
198			•) TYI													
199			•) STI		_		_	Le								
200			•) TOE													
202		(ii)				_	-										
207		(xi)															
209		Thr	Asp	Gln	Cys		Asn	Phe	Pro	Gln		Leu	Arg	Asp	Leu		Asp
210		1				5					10					15	
212		Ala	Phe	Ser		Val	Lys	Thr	Phe		Gln	Thr	Lys	Asp		Val	Asp
213					20					25			_		30		
215		Asn	Leu	Leu	Leu	Lys	Glu	Ser		Leu	Glu	Asp	Phe		Gly	Tyr	Leu
216				35					40					45			
218		Gly	_	Gln	Ala	Leu	Ser		Met	Ile	Gln	Phe		Leu	Glu	Glu	Val
219			50					55					60				

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											_						
221		Pro	Gln	Ala	Glu		Gln	Asp	Pro	Glu		Lys	Asp	His	Val		
222	65		_	_		70					75	_	_	_	_	80	
224	Ser	Leu	Gly	Glu		Leu	Lys	Thr	Leu		Leu	Arg	Leu	Arg		Cys	
225		_	1	_	85	_	- 1		_	90	-	. 1	** . 1	a 1	95	-1	
227	His	Arg	Phe		Pro	Cys	Glu	Asn	_	ser	Lys	Ala	vaı		GIn	11e	
228	_			100		_	_	- 1	105	_	a 1	+ 1	_	110			
230	Lys	Asn		Phe	Asn	Lys	Leu		Glu	Lys	GIY	шe		Lys	Ala	Met	
231	_		115			-1	- 1	120	_	- 1	a 1		125		m l	-1 .	
233	Ser	Glu	Phe	Asp	He	Phe		Asn	Tyr	шe	GIU		Tyr	мет	Thr	шe	
234		130					135					140					
236	_	Ala	Arg														
237	145			70 D		- D - N/											
239	(2) INFO																
241	(1)	SEQU															
242					: 15		_	ırs									
243					nucle			,									
244		-			EDNES			re									
245			,		GY: I		ar										
247	(ii)									_							
252	(xi)			s DES	SCRIE	PTIO	N: S.	EQ II	ON	: 5:							15
	CTAAGGAG			70 D (ano :	r n . 17/											15
	(2) INFO																
258	(1)	SEQU															
259	, ,																
260								1 ^									
261					EDNES		_	re									
262	, ; ; ,				GY: I		11										
264	(ii) (xi)						ı. cı	EO T) NO	. 6.							
269			LINCI	r Des	CKII	-1101	N. 51	υQ II	NO	. 0.							10
	ATGAGCTCA (2) INFO		CON I	70P (ero i	וו אור	. 7										10
275	• •	SEQU															
276	(1)				: 60												
277					. oo nucle			LIS									
278		٠.			EDNES			م ا									
279		• •			GY:]		_										
281	(ii)						• •										
286	(xi)						ı. sı	EO II	NO.	7.							
	AGCCCAGG										АСТТО	CCAC	G TA	AACCO	GTAC	•	60
	(2) INFO									,,,,,,							
293		SEQU															
294	(-)				: 56												
295					nucle												
296					EDNES			le									
297					3Y:]		-										
299	(ii)																
304	(xi)						i: Si	EQ II	NO:	8:							
	CGGTTACC										rgcco	CTGG	CC TO	GGC?	ľ		56
	(2) INFOR																

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/718,102

DATE: 01/24/2002 TIME: 19:08:19

Input Set : N:\Crf3\RULE60\09718102.raw
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310 (i) SEQUENCE CHARACTERISTICS: 311 (A) LENGTH: 62 base pairs	
312 (B) TYPE: nucleic acid	
313 (C) STRANDEDNESS: single	
314 (D) TOPOLOGY: linear	
316 (ii) MOLECULE TYPE: cDNA	
321 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:	
323 GTAACCTGCC TAACATGCTT CGAGATCTCC GAGATGCCTT CAGCAGAGTG AAGACTTTCT	60
325 TT	62
327 (2) INFORMATION FOR SEQ ID NO: 10:	
329 (i) SEQUENCE CHARACTERISTICS:	
330 (A) LENGTH: 48 base pairs	
331 (B) TYPE: nucleic acid	
332 (C) STRANDEDNESS: single	
333 (D) TOPOLOGY: linear	
335 (ii) MOLECULE TYPE: cDNA	
340 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:	4.0
342 CTTCACTCTG CTGAAGGCAT CTCGGAGGATC TCGAAGCATG TTAGGCAG	48
344 (2) INFORMATION FOR SEQ ID NO: 11:	
346 (i) SEQUENCE CHARACTERISTICS:	
347 (A) LENGTH: 35 base pairs	
348 (B) TYPE: nucleic acid 349 (C) STRANDEDNESS: single	
350 (D) TOPOLOGY: linear	
352 (ii) MOLECULE TYPE: cDNA	
357 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:	
359 CAAATGAAGG ATCAGCTGGA CAACTTGTTC TTAAG	35
361 (2) INFORMATION FOR SEQ ID NO: 12:	
363 (i) SEQUENCE CHARACTERISTICS:	
364 (A) LENGTH: 44 base pairs	
365 (B) TYPE: nucleic acid	
366 (C) STRANDEDNESS: single	
367 (D) TOPOLOGY: linear	
369 (ii) MOLECULE TYPE: cDNA	
374 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
376 CTTAAGAACA AGTTGTCCAG CTGATCCTTC ATTTGAAAGA AAGT	44
378 (2) INFORMATION FOR SEQ ID NO: 13:	
380 (i) SEQUENCE CHARACTERISTICS:	
381 (A) LENGTH: 69 base pairs	
382 (B) TYPE: nucleic acid	
383 (C) STRANDEDNESS: single	
384 (D) TOPOLOGY: linear	
386 (ii) MOLECULE TYPE: cDNA	
391 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:	
393 GAGTCCTTGC TGGAGGACTT TAAGGGTTAC CTGGGTTGCC AAGCCTTGTC TGAGATGATC	60
395 CAGTTTTAT	69
397 (2) INFORMATION FOR SEQ ID NO: 14:	
399 (i) SEQUENCE CHARACTERISTICS:	
400 (A) LENGTH: 73 base pairs	

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/718,102

DATE: 01/24/2002 TIME: 19:08:20

Input Set : N:\Crf3\RULE60\09718102.raw
Output Set: N:\CRF3\01242002\1718102.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]